

Education

Bachelor of Science in Physics

2007 - 2012

University of Tennessee

Master of Science in Atmospheric Science

2013 - 2015

University of Illinois at Urbana-Champaign

PhD in Earth and Environmental Science

2016 - Present

Vanderbilt University

Conferences

Snowfall Scattering Conference

2017

Poster

"Evaluations of Snowflake Aggregate Scattering Models through Collocated Aircraft and Ku/Ka Radar Measurements:

International Workshop on Space Based Snowfall Measurement

2016

Oral Presentation

"Improved measurements of Snowstorm Particle Size Distributions from Dual Frequency Radar measurements"

American Geophysical Union Fall Conference

2015

Oral Presentation

Sensitivity of Simulated Snow Cloud Properties to Mass-Diameter Parameterizations"

American Meteorological Society Radar Conference

2015

Poster

"Evaluation of Algorithms to Retrieve Snowfall Size Distributions with Dual Frequency Reflectivity"

American Geophysical Union Fall Conference

2014

Poster

"Evaluations of Dual Frequency Satellite Retrievals in Falling Snow"

Precipitation Measurement Mission Summer Conference

2014

Poster

"Evaluations of Dual Frequency Satellite Retrievals in Falling Snow"

American Geophysical Union Fall Conference

2013

Oral Presentation

"In-situ microphysical and scattering properties of falling snow in GCPEX"

Experience

CSA Cloudsat Project

Canadian Space Agency

Contributor

2018

Olympic Mountains Experiment (OLYMPEX)

NASA

Radar operator

2015

Atmospheric Radiation Measurement (ARM) Summer School

Department of Energy

Attendee

2015